UNBOUND NOTES AND DRAWINGS
1889

Photo notes [illegible]

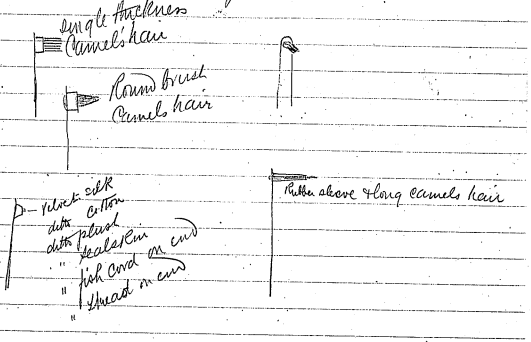
No. 90.

1. All automatic adjustments
2. Prop arms for lifting traveler arms.
3. Enclosing cams for cylinder
4. Circular recording points & ball reproducers
5. New details of governor
6. Photo showing different forms of trimming of blank
7. Blanks for chips
8. Roughening surface of blank
9. Thread lined blank
10. Blanks with cores of asphalt & hard rubber
11. Forms of false [illegible] for cylinder

Papers forwarded Howard Atl. 7/89

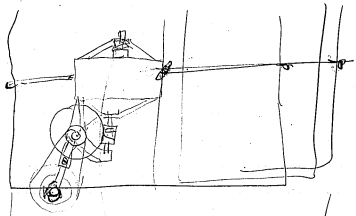
[illegible]

Make receiver point May 26 1884



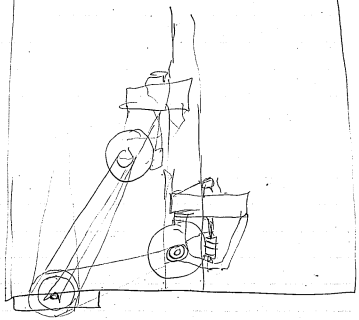
Sketches and Notes

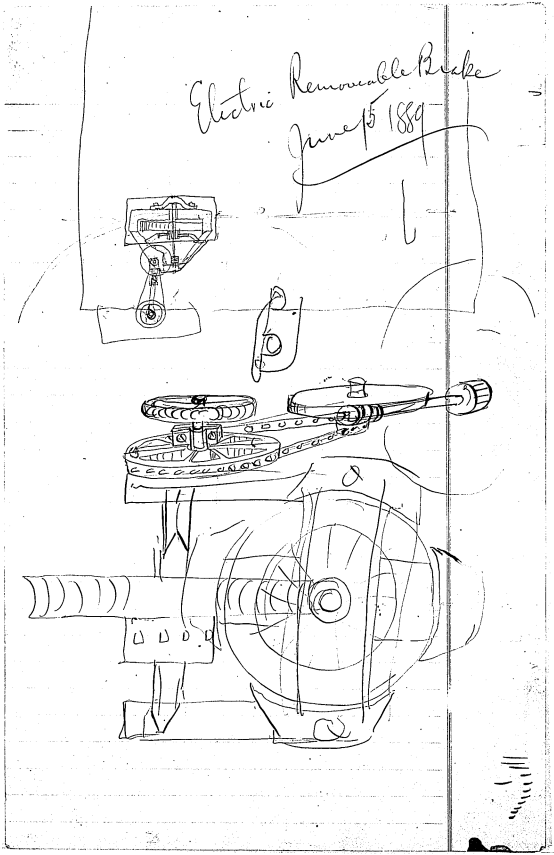
1859-06-15



Electrical Removeable Brake
June 15 1859

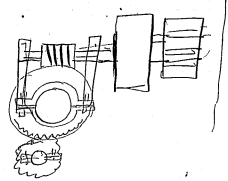
$3\frac{1}{2} - \frac{1}{2}$

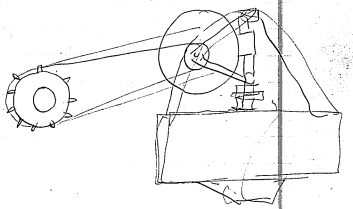


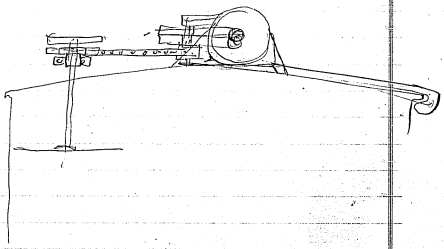

Electric Removeable Brake
June 15 1889

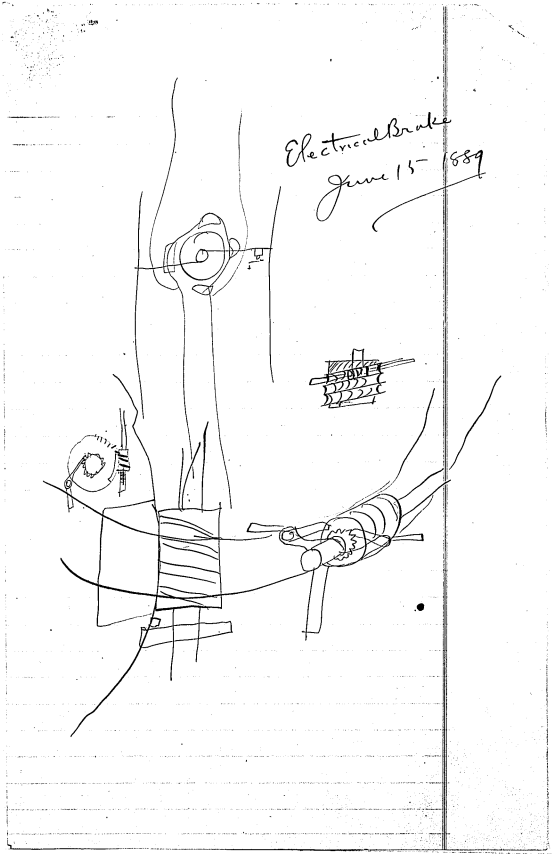
Electric Removable Brake

June 15th 1889

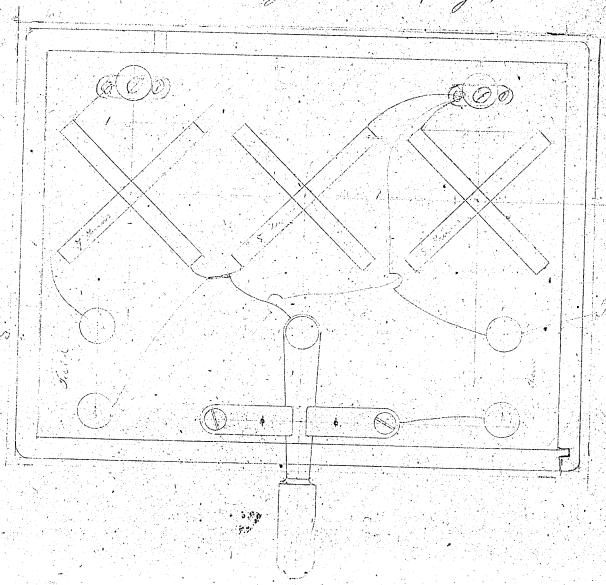







Electrical Brake
June 15- 1889

Edison Laboratory Phonograph Ser
June 26 1889 J. F. Ott



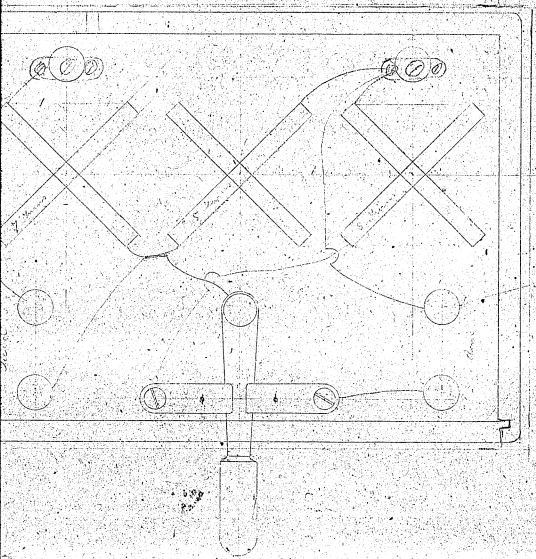
[FILMED IN SECTIONS]

1	2

Edison Laboratory Phonograph Series Switch

June 26 1889 J.F.W.

No 308



[FILMED IN SECTIONS]

1	2

Report for 2nd

Report of Work.

From July 2nd to 12th. 1899

July 2nd & 3rd worked on corresponding cylinder.
Tried different compounds & wax for first dip
Of which none were better than paraffin whose
melting point had been raised by stearate of
soda. so that it could be dipped in very hot
regular wax making a thin coating of wax
on outside.
A mixture of regular wax 100, ceresin 30 dipped
at 350° made a thin shell cylinder which
stands knocking around in the box better
than the above and better than the thread lined
with gum bolata. These will cost about 8¢ per
dozen to manufacture.
July 7+8th made 150 thread lined cylinders with
gum bolata for South America
Only 60 percent good ones can be got by this
process, and they are expensive to make.

July 9-10. Made some B.P. special wax for musical
records for Dr. Schultz Berge, and made
30 cylinders from the same

July 11. Tested the copper jacketted kettle and
found that with 80 lb pressure in boiler we
can get a temperature of 315° in wax
The kettle must be ~~lined with~~ tinned or
silvered as the wax unites with oxide
of copper on the sides of the kettle and
at 320 ~~lbs~~ it reduces black oxide of copper on
sides of kettle.

ACCOUNTS PAYABLE

Week Ending

Report of Thread lined cylinders.

July 7th moulded 5-26

July 8th " 4-00

" 9th " 5-02

" 10th " 6-00

" 11th " 5-42

July 3rd we shut down so as to have our dipping shells ground a little smaller as the cylinders were fitting too far up on mandrel

July 10th is the only good days work we have had, all the other days something was wrong either we had to use one of the boys on some other work or we could not get wax from stove works or were bothered by workmen fitting steam pipes in cooling box.

July 10th we lost 3 hrs. in morning in melting up wax.

July 9th we got 502 and did not commence to dip until noon.

At Silverlake, we have 5000 lb of wax ahead of demand.

After we have worked up all the old wax at silver lake in the still we can recover all future waste by the new process without still at 1st per lb.

ACCOUNTS PAYABLE
Week Ending 188
$

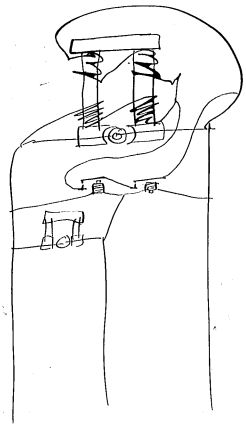
Cable Address "Edison, New York"

From the Laboratory
of
Thomas A. Edison.

Subject,

Orange, N.J. Aug. 1. 89

Nov 12-89
J.F.K

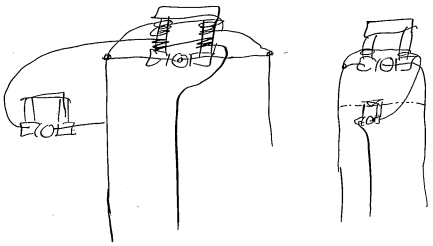


Cable Address "Edison, Orange"

From the Laboratory
of
Thomas A. Edison.

Subject.

Orange, N.J.

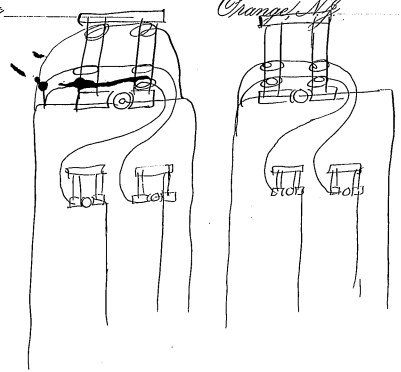


Cable Address "Edison, Orange, N.J."

From the Laboratory
of
Thomas A. Edison.

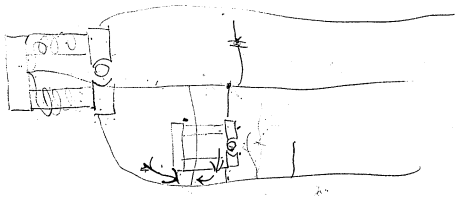
Orange, N.J.

Subject



From the Laboratory
of
Thomas A. Edison,
Orange, N.J.

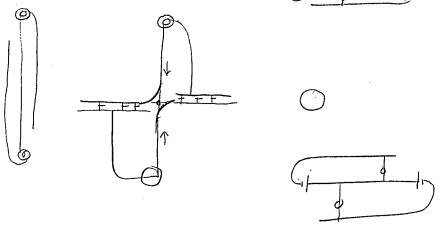
Subject



Cable Address "Edison, New York"

From the Laboratory
of
Thomas A. Edison.

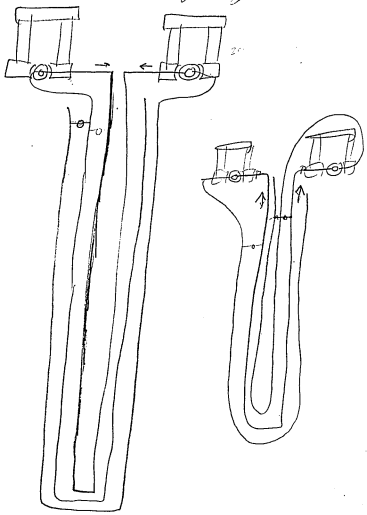
Subject, _____ Orange, N.J. _____



Cable Address "Edison, New York"

From the Laboratory
of
Thomas A. Edison

Subject _____ Orange, N.J. _____

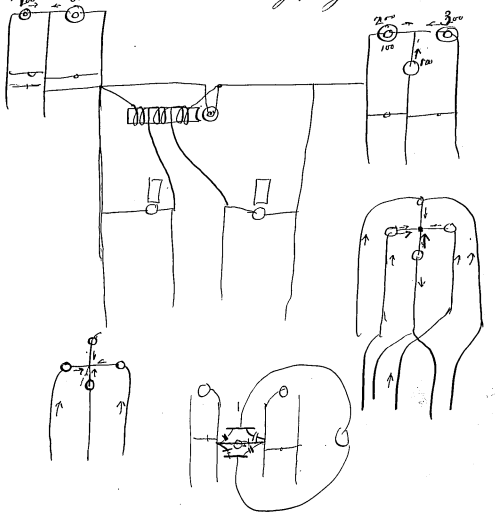


Cable Address "Edison, Orange, New York"

From the Laboratory
of
Thomas A. Edison.

Orange, N.J.

Subject:

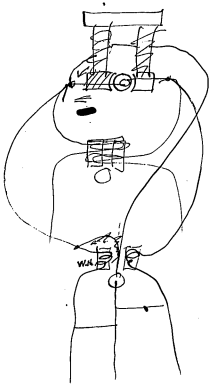


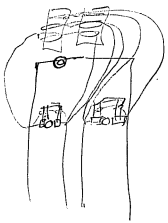
Cable Address "Edison, New York"

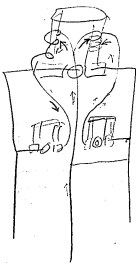
From the Laboratory
of
Thomas A. Edison.

Subject

Orange, N.J.



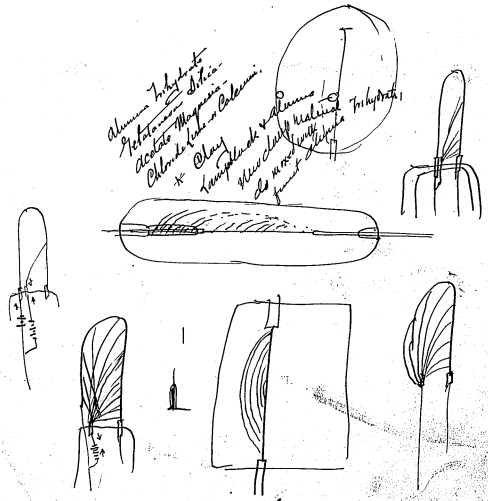




Cable Address "Edison, Newark, N.J."

From the Laboratory
of
Thomas A. Edison.

Subject, _____ Orange, N.J. _____

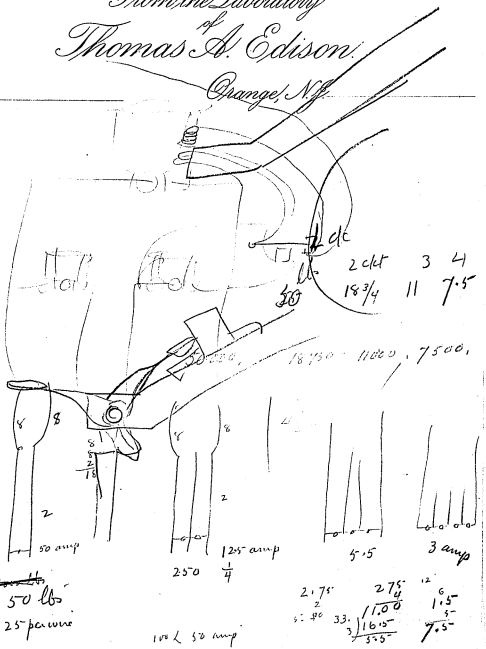


Cable Address "Edison, Newyork"

From the Laboratory of

Thomas A. Edison,

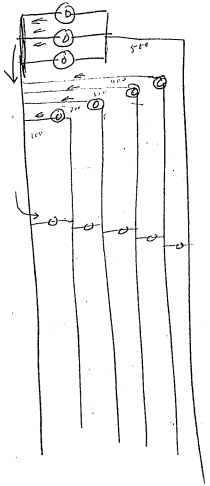
Subject, Orange, N.J.



Cable Address "Edison, New York"

From the Laboratory
of
Thomas A. Edison.

Subject _____ Orange, N.J. _____

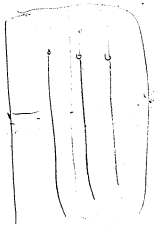


5'-0"
5'-0"
27 5'-0"
27 5'-0"
302 5'-00

1/2 foot!

1 foot 2
2 feet 3
3 feet 4
4 feet 5

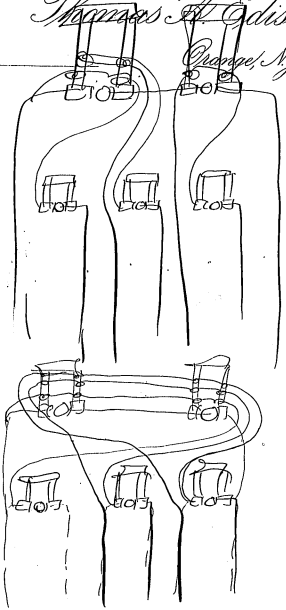
100 —
25 —
36
61 —

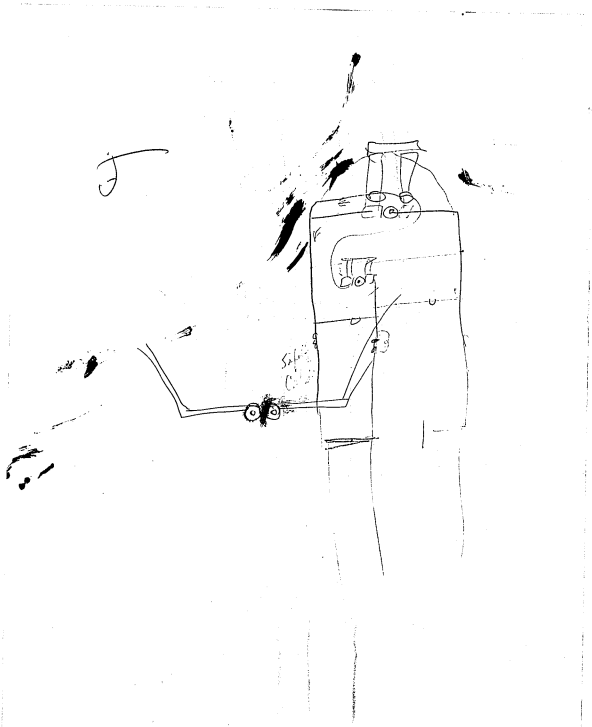


Cable Address "Edison, New York"

From the Laboratory
of
Thomas A. Edison.

Subject. Orange, N.J.



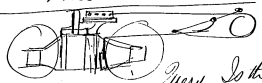


CHAS. BATCHELOR,
33 WEST 25TH STREET,
NEW YORK.

Notes for Car Brake Aug 27/89

1. The hand wheel can be taken off and an Sprocket wheel put on instead and after the motor has done its work the hand wheel can be replaced.
Perhaps the hand wheel is too high

2 If the motor can be placed between the wheels on the trucks then this will do



motor draws a brake lever round a drum with chain

Query Is there room for motor

3

Sketches 1

THOMAS A. EDISON,
No. 65 FIFTH AVENUE.

Labor .78
Material 6.05
Royalty 1.20
P.O. 3

Gen Eff. 41

Form L. 1895-9-18-'96.

Sept 11th 1882

New York, ... 188

~~Battery without Lamps Office & Sola~~

Q	~~28.85~~ 10.50	Building & digging & Wells	~~4000.00~~
Gas		Machinery	2627
Watchmn	6.00	Tools ~~Fixed Safes~~	90
Cong.	13.50	~~Steam Engs~~	1449.61
Coal	6.00	~~Cong Pumps, Boilers~~	8800
8800	7.50	~~Shafting~~	
10% int	15.00		
	97.35		
	100.00		

52/400/364/360 | 07.35

240/100.00/960 | .41

Form L. 1900-5-18-'90.

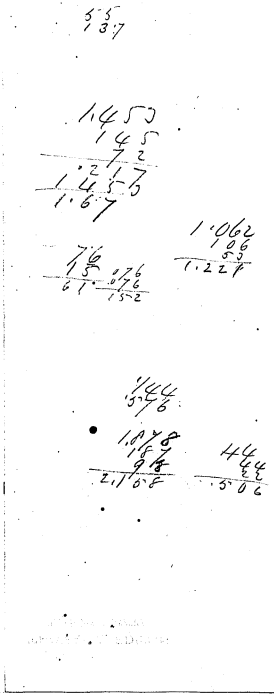
THOMAS' A. EDISON,
No. 65 Fifth Avenue.

New York, ... 188

L .78
Mat. 6.05
6.83
F. 34
7.17
41
7.58
25% 1.51
9.09
Royalty 1.20
10.29

12½
1½
15%

.064
.08
1.5
04
08
8 / 2.014
2.5



	Labr	Mat	
Bar bro.	·20	·592	
Load.	·13	·627	
Clamp set	·06	1.403	
pass light	·39	2.67	= 3.106

Oxide plate ·246 1.062. = 1.310

Lenses ·144 1.878 = 2.022.

Soda, ·44 = ·444

Genl Expense at 40/- day ·41

Depreciat. on £6000 at 5% per Annum on 40/- day. ·80

8.05

Royalty on 12 bottles at 10/- per bottle 1.20

Profit on 8.05 at 25% 2.01

11.26

2

~~Bat Bate~~

Labor + material are in proportion of ·78 & 6.05 or total 6.83

Gens Exp. ·40
Depreciat ·80
Royalty 1.20
Profit $\frac{2.01}{4.42} = \frac{4.42}{11.25}$

To add £4.42 to £6.83 by percentage where the material is so much greater than labor cannot be done so that the 1.20 bottles and Lenses, jars, 24 44 Soda etc etc will not cover exorbitant as

Try. 40% on labor
& 25% on material

3

Item	Lab.	Mat	Total
Bat. box.	.80	.680	1.48
Lead.	.52	.72	1.24
Clamp etc	.24	1.67	1.91
			4.63
Oxide	.99	1.22	2.21
Lnes	.57	2.16	2.73
Soda			.50
			10 08

This is too small
Next basis
Figure box complete
without Lne, copper or Soda
at Labor 400% + Material 15%

4

Box. complete with Cov. 4 covers 1'9 4'42 4 pan 13¾ 55	4.97
Oxide plate 8# 30¢	2.40
Lines 25# at 12¢	3.00
Soda. 8# at 6½¢ 80	.52
	11.42

Increase 11.42 by 35½% + it makes a price of $15.50 that we originally had

5

Their own prices last words
be

Brig Complete with
4 Jars ~~Acid~~ @ 75¢ 19#
65 16#
4 Covers
All rest. 606 = 7.46

Oxidylate 8 at 41¢ 3.28
8 Lines 51¢ each, 3 6/24 4.05
8 lb Soda at 9¢ .72
15.51

15 51
3 10
12.41
1 14
11.19

Phone

(1559-11)

Cable Address "Edison, Orange, N.J."

From the Laboratory
of
Thomas A. Edison.

Subject. Orange, N.J.

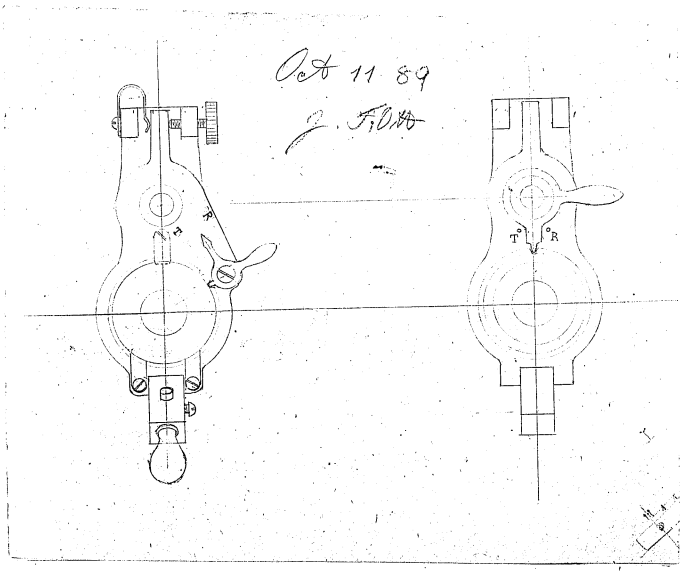
Test of Phonograph battery.

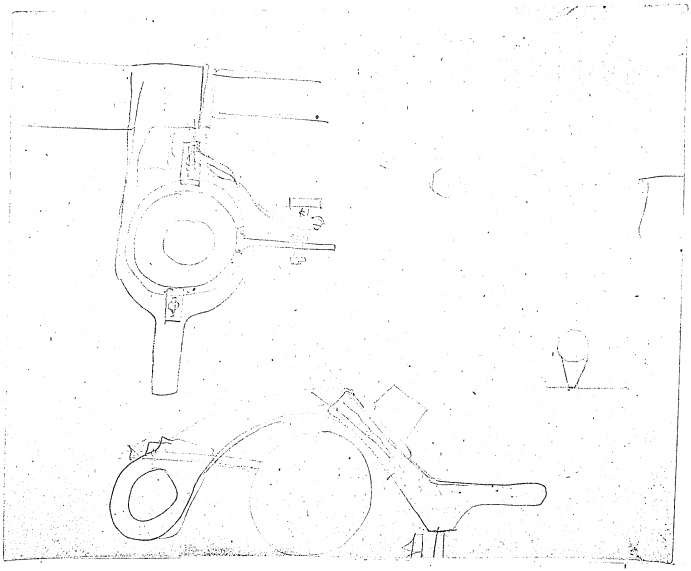
Sept. 22. 87:

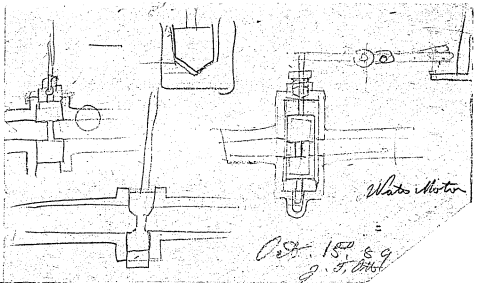
4 Cells were filled with solution of Lewis type of sp. gr. 1.20/25°/. The Zinc plates were of ordinary size (8⅜" x 2½" x ⅛") cast without Hg, but amalgamated before test. A rubber band ⅛" broad was stretched around top of Zincs to prevent creeping of the salts formed.

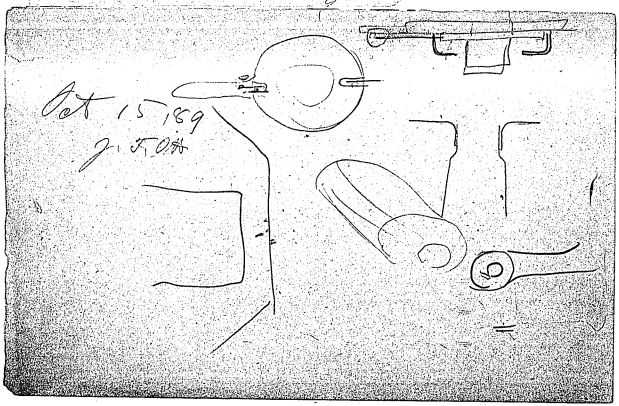
The battery was working for 2 Hs daily through 0.8 Ω of Platinoid wire, these giving an average Current of 2.75 a. Before starting test, the battery was short circuited by a short piece of wire for ½ H; the test commenced at the 24th Sept, the battery working for 2 Hs daily at 2.75 a until Nov. 6th, when the Current was observed to decrease gradually; Nov. 9th the current fell to 1.8 a and the battery was no longer able to run machine.

The E.M.F. and P.D. of battery had been measured every day during test by Potentiometer

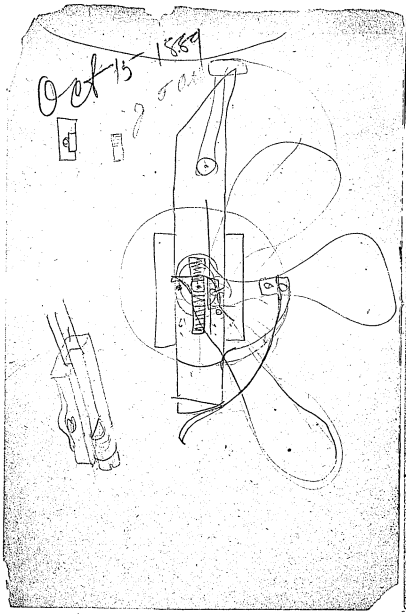

Oct 11 89
T
R
T
R

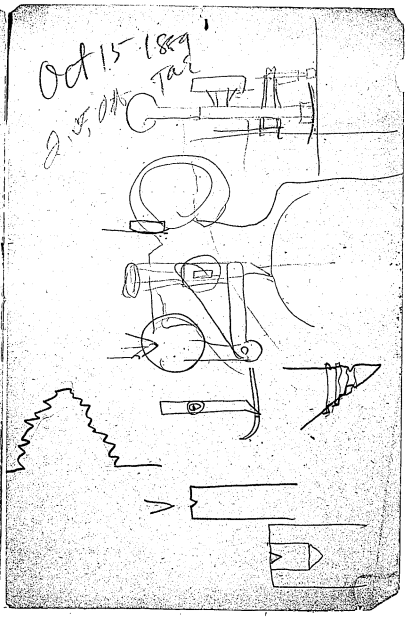


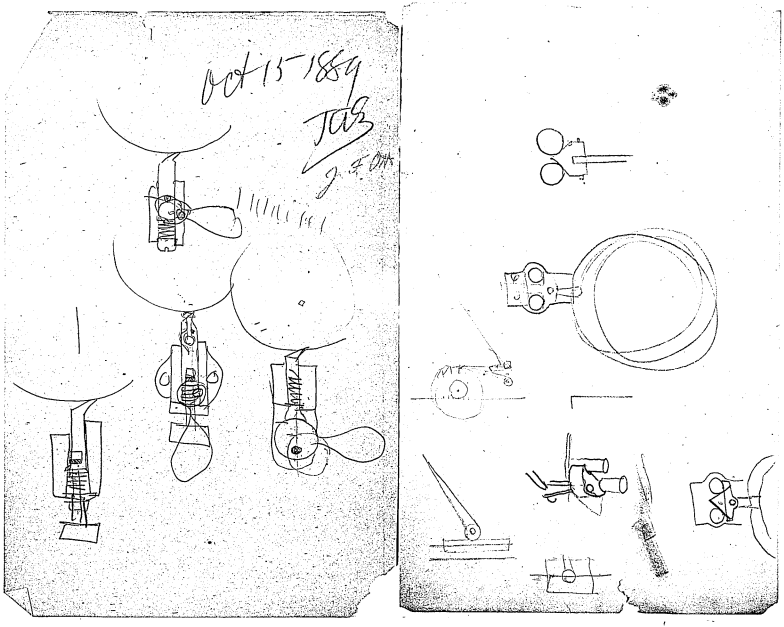

Walter Morton
Oct. 15, 69
J. F. Oak

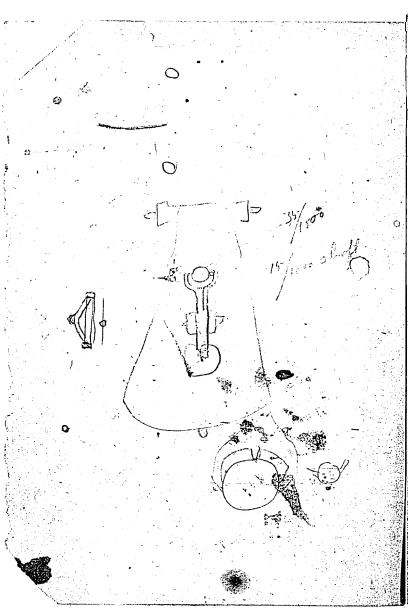

Oct 15, 69
J. F. Oak

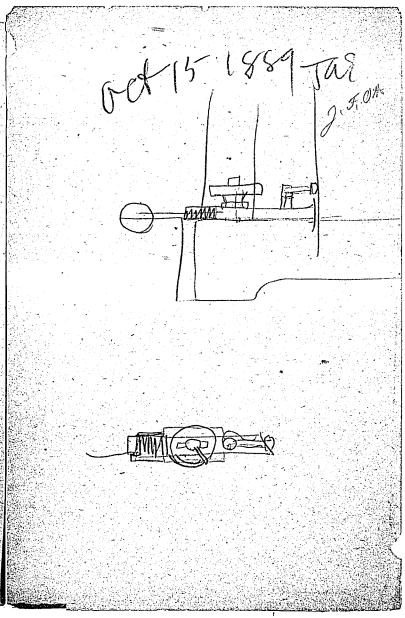
Oct 15 1889 Tab
Oct 15 1889
Tab

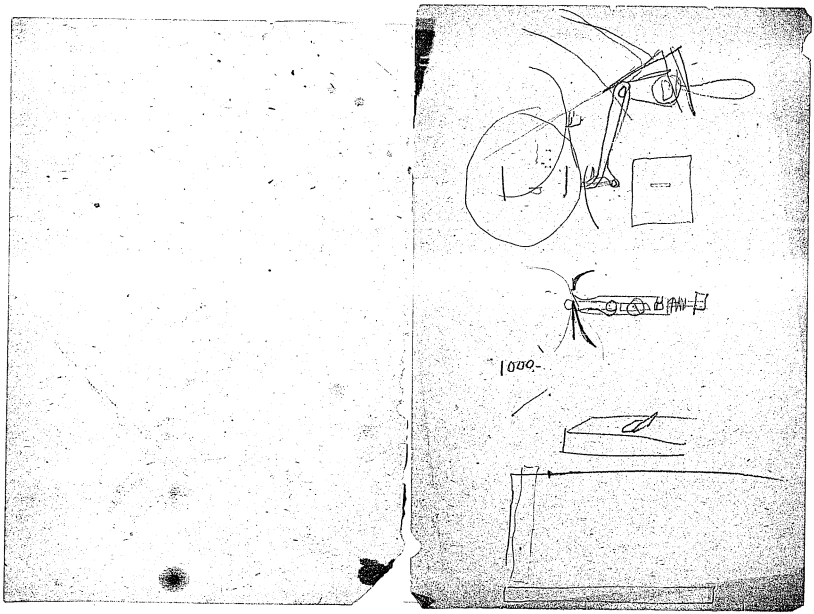

Oct 15 1889


Oct 15 1889


Oct 15 1884
J.C.B.
J. & O.M.

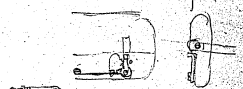



Oct 15 1889 Jar
J. F. Ott


1000-

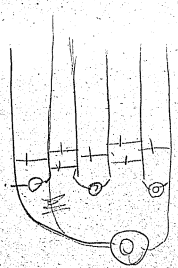
Oct 15 1889

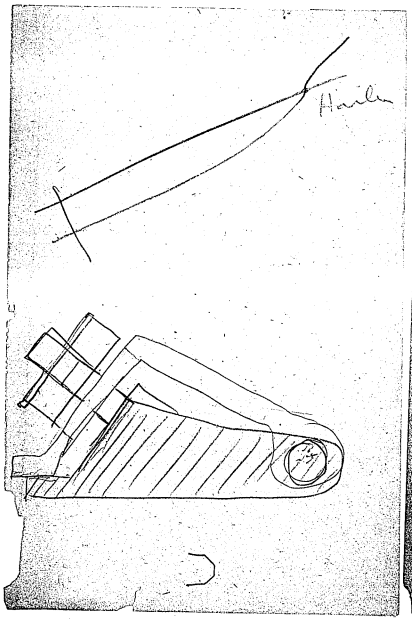
TAB



Oct 15 1889

TAB



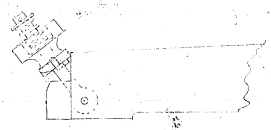


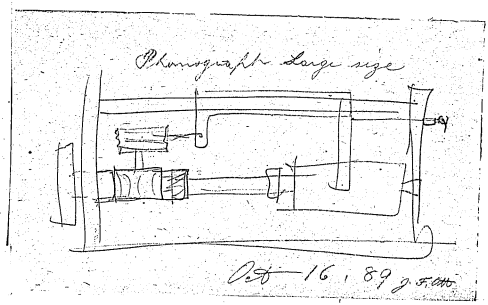
120 — 1

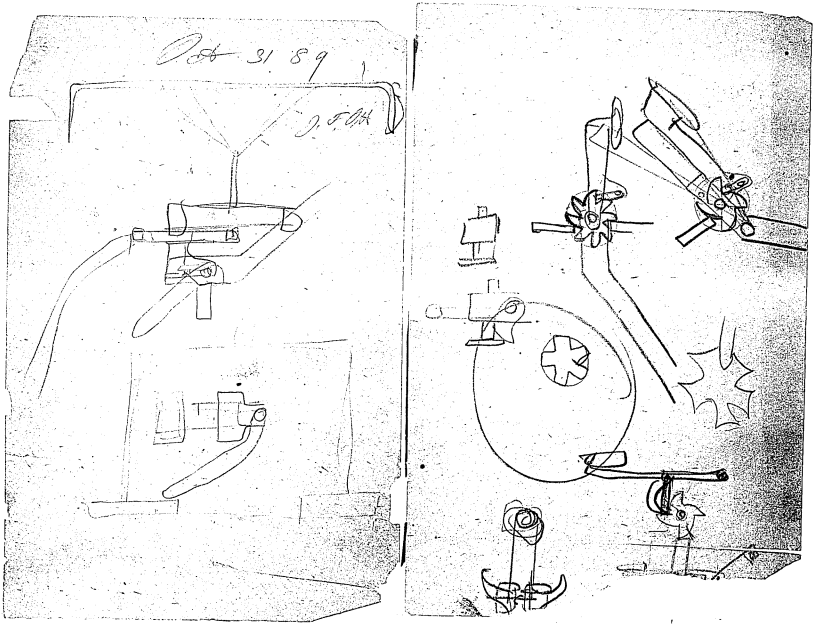
Equal parts

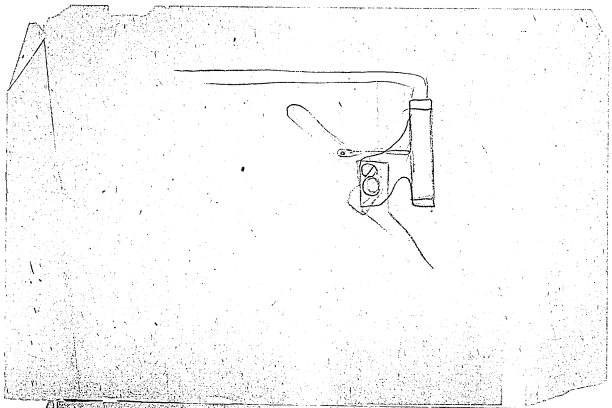
Mag	Non —
NI 15 12	NI 8 66
1120 lbs	1120 lbs
820 3 pot x9 9 cm	300 lbs — 39 10@15 —

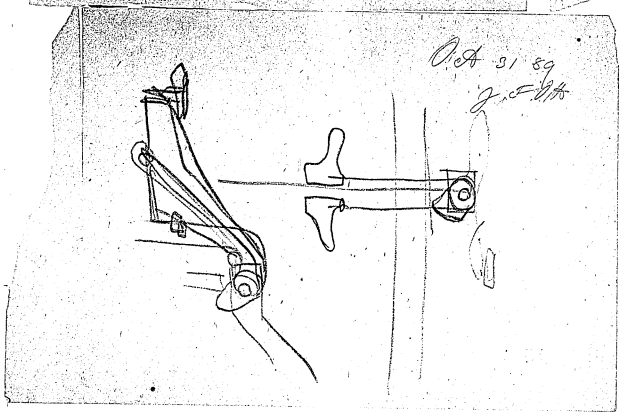
Oct 15 89
J. F. Ott

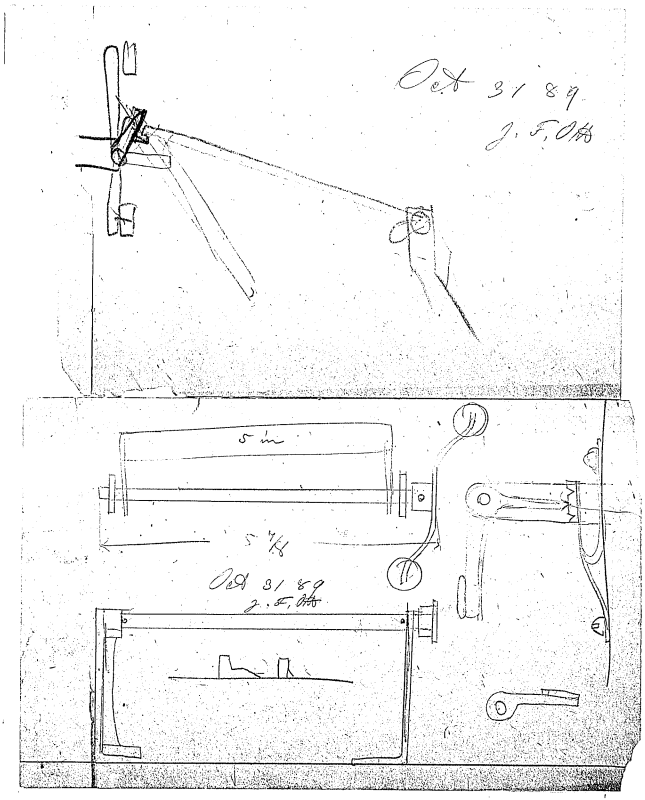


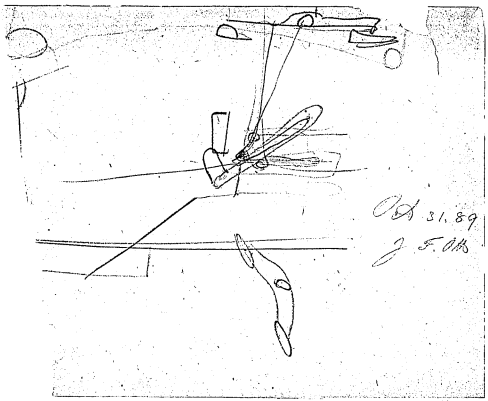



Oct 31 89




Oct 31 89


Oct 31 89
J. S. Ahs
5 in
5 7/8
Oct 31 89
J. S. Ahs

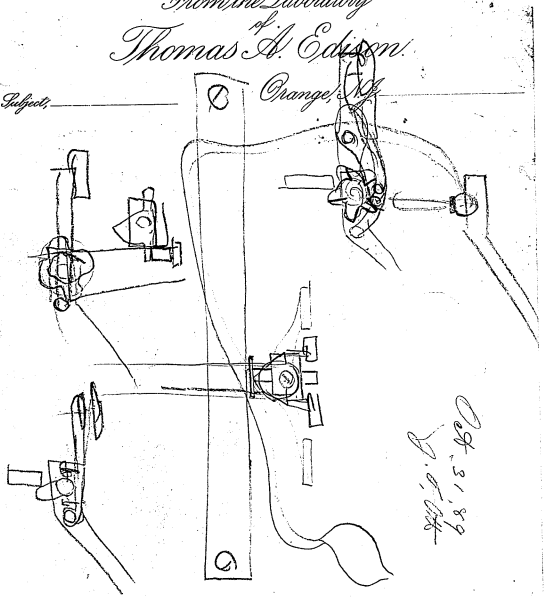

31.89
5.0

Cable Address "Edison, Newyork"

From the Laboratory
of
Thomas A. Edison.

Orange, N.J.

Subject.



Oct. 5, 87

"Cable Address" Edison, New York."

From the Laboratory

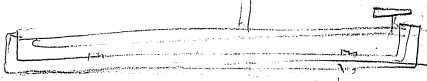
of

Thomas A. Edison.

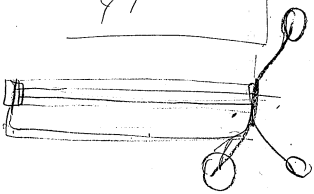
Orange, N.J.

Subject.

12
60



10
18
13
41

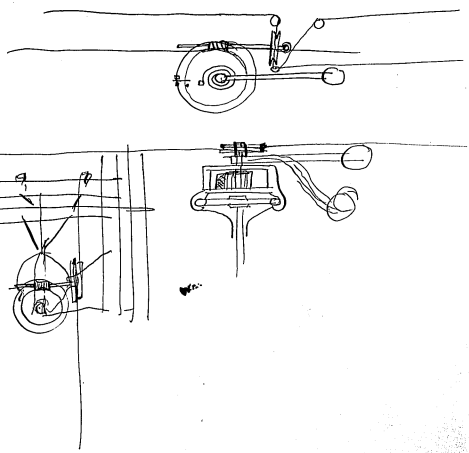


13
18
46
48
10
64

Cable Address "Edison, Newyork"

From the Laboratory
of
Thomas A. Edison.

Subject, _____ Orange, N.J. _____

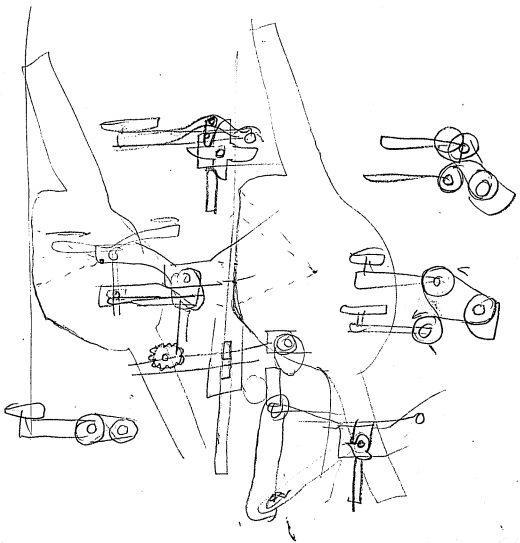


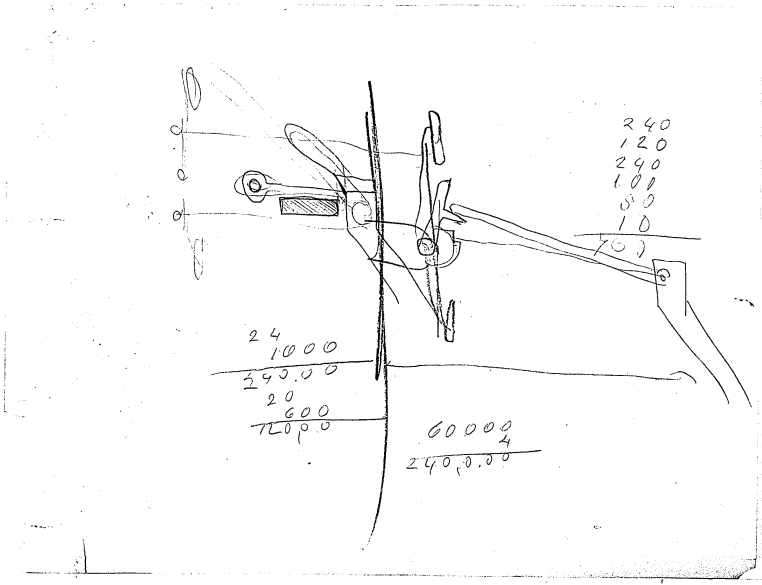
"Cable Address "Edison, New York."

From the Laboratory
of
Thomas A. Edison.

Orange, N.J.

Subject,

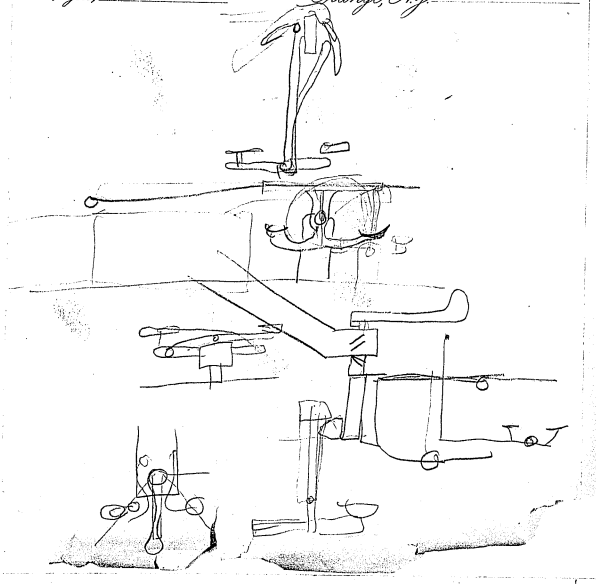


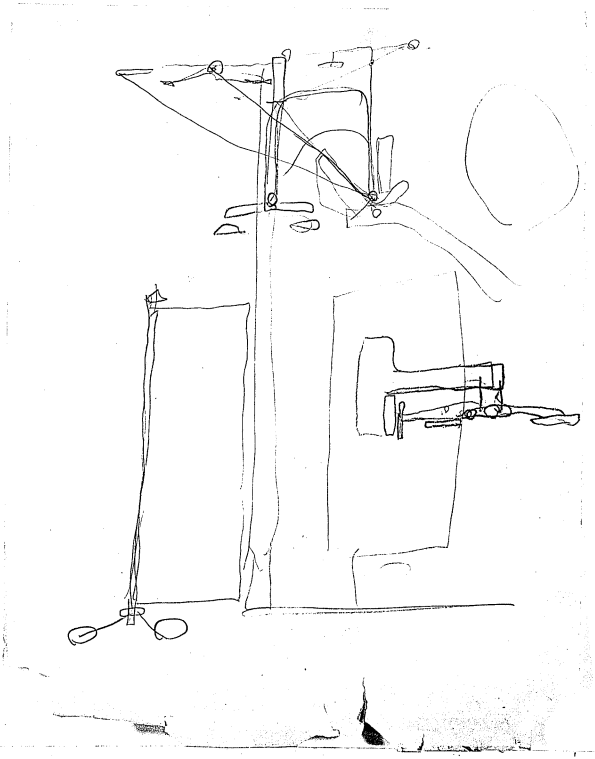

240
120
240
100
80
10
24
1000
24000.00
20
600
12000
60000
4
240000

Cable Address "Edison, Orange, N.J."

From the Laboratory
of
Thomas A. Edison.

Subject, Orange, N.J.



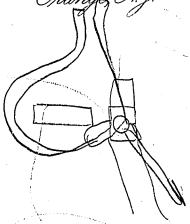


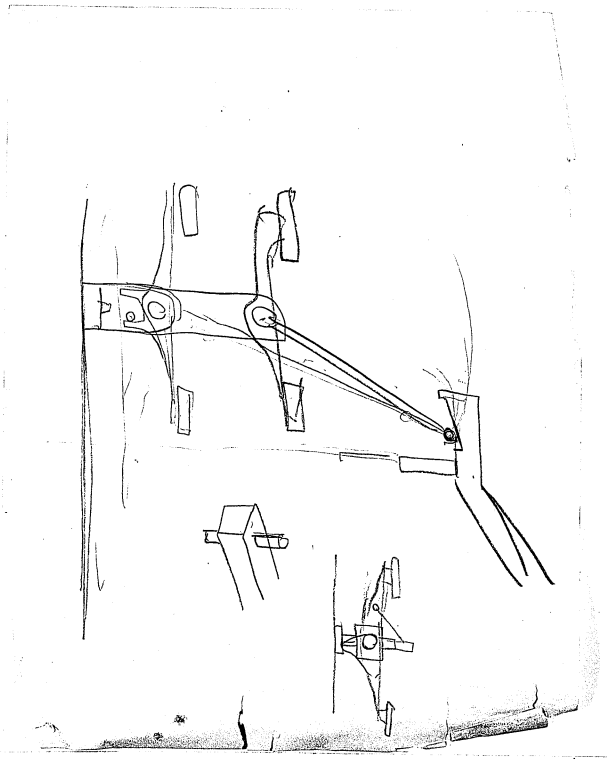
Cable Address "Edison, New York"

From the Laboratory
of
Thomas A. Edison.

Orange, N.J.

Subject,



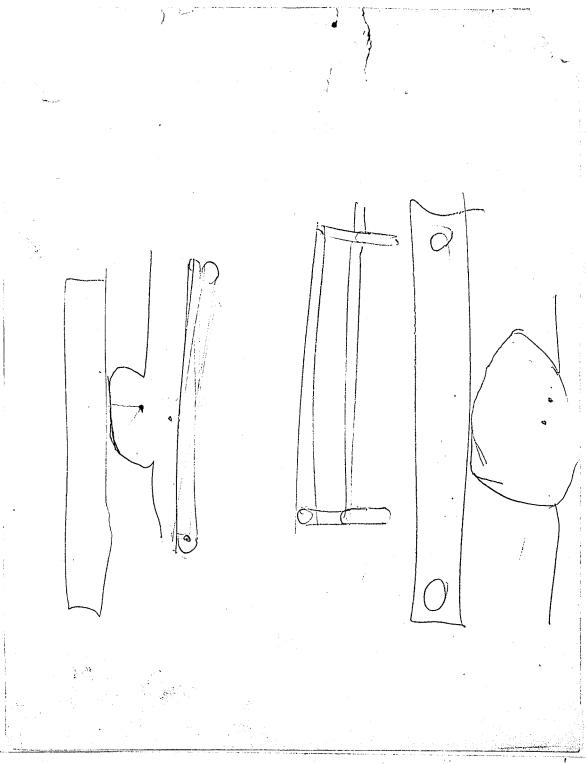


Cable Address "Edison, New York"

From the Laboratory
of
Thomas A. Edison.

Subject. _____ Orange, N.J. _____

12
13
96
12
156
.038
1248
468
5925

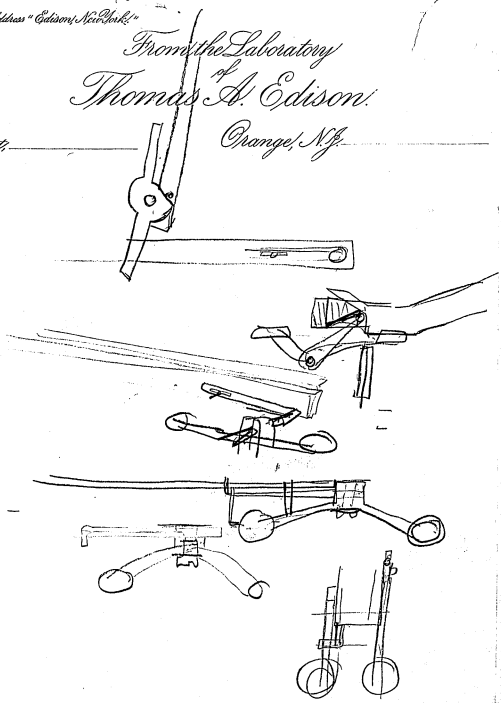


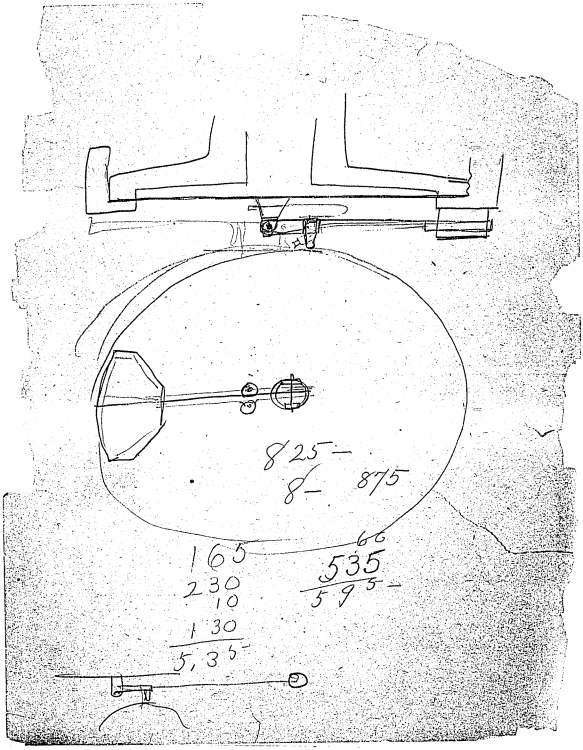
Cable Address "Edison, New York"

From the Laboratory
of
Thomas A. Edison.

Telegraph

Orange, N.J.




8 25 –
8 – 875
165
230
10
1 30
5, 35 –
66
535
59 5 –

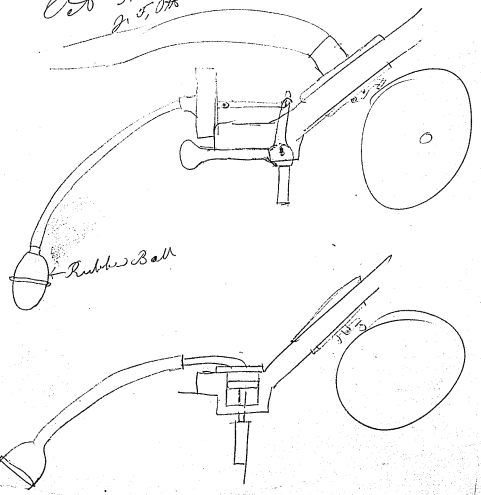
Cable Address "Edison, New York"

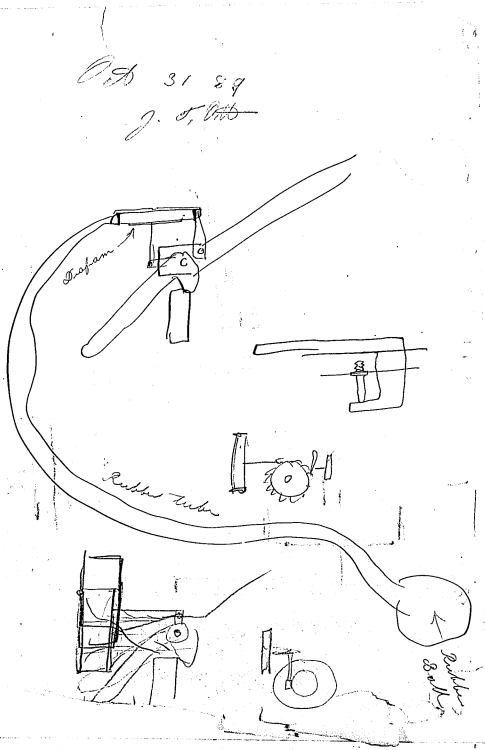
From the Laboratory
of
Thomas A. Edison.

Orange, N.J.

Subject

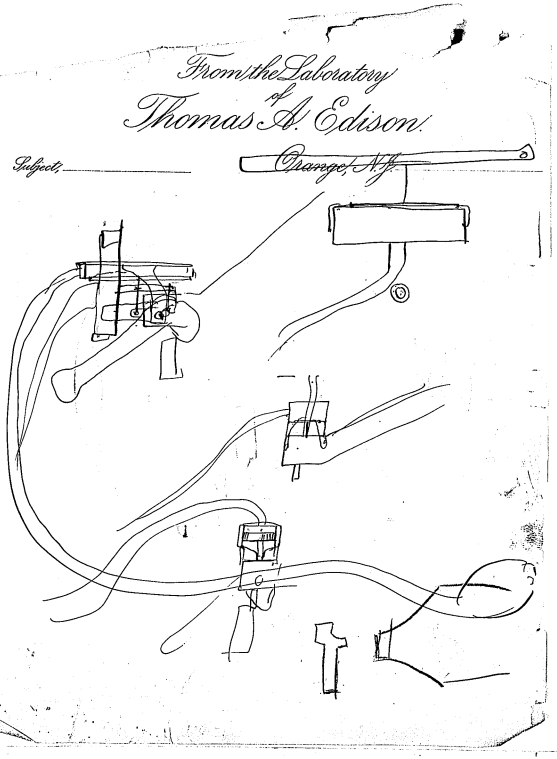
Oct 31 89
Dec 5, 89

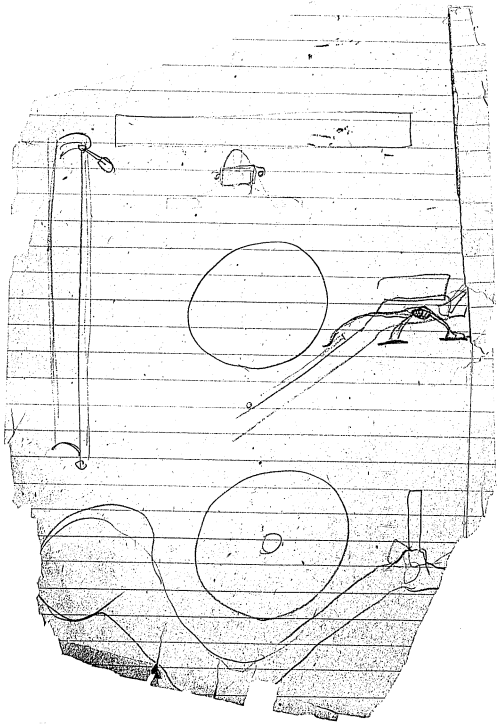


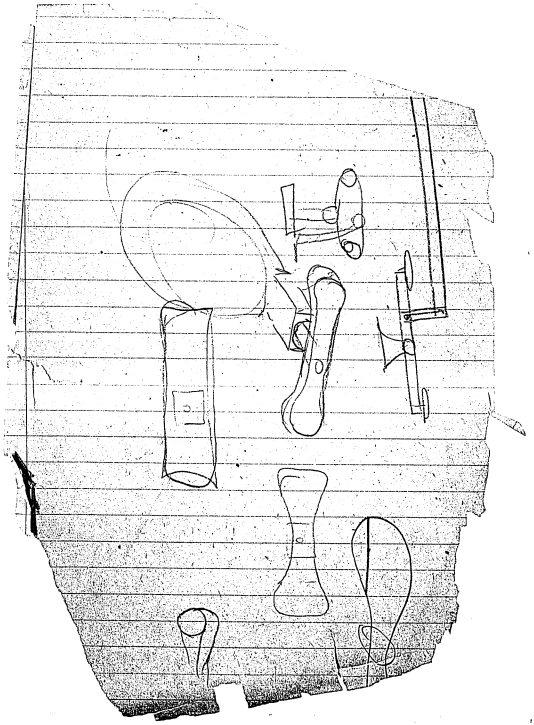

Rubber Tube
Rubber Bulb

From the Laboratory
of
Thomas A. Edison.

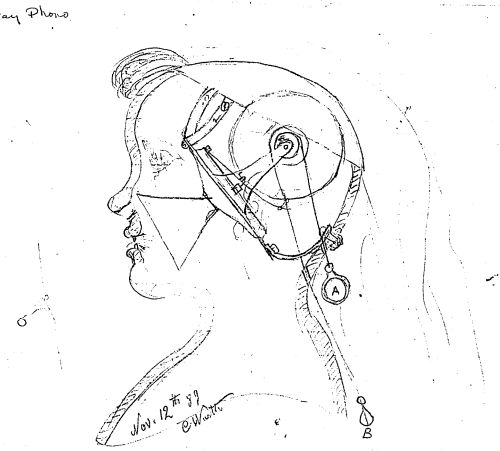
Subject. Orange, N.J.







Toy Phono



Cheap Toy Phonogr.
To be mounted in the head.
The head only to be solid. Talk only short sentences such as: I love you mamma. For talking, pull string A
For rewinding pull string B